

**Amendments to the Specification:**

Please replace the paragraph found on page 3, lines 11-17, with the following amended paragraph:

These objects are advantageously attained by an expandable stent ~~with the features which are defined in claim 1 as well as by a process with the steps which are defined in claim 12 of the present invention~~. Advantageous embodiments and/or further developments of the expandable stent follow ~~from the dependent claims 2 to 11 and from the production process in accordance with the invention in dependent claims 13 to 22 are also provided herewith~~.

Please replace the paragraph found on page 6, lines 1-20 with the following amended paragraph:

In order to further develop with advantages the favorable properties of a no-profile stent or of a low-profile stent, the lattice structure in the radial direction has substantially a wall thickness of between 0.2 mm and 0.3 mm. Because this wall thickness may slightly fluctuate in the course of the longitudinal direction of the stent, depending on the production process, the information above is understood as a characteristic wall thickness. In accordance with another advantageous design of the stent in accordance with the invention, it consists of a metallic material which has shape memory. For further advantage, this material with its shape memory effect consists of a nickel-titanium alloy. The alloy moieties, which are especially advantageous in accordance with ~~the information in claim 11~~ a preferred range of the alloy moieties, make it possible to design the stent to react to temperature so that it can be inserted into the body in the non-expanded state, expands due to the body temperature when positioned to the required extent and is independently implanted at the position which it is desired to treat.

Please replace the paragraph found on page 7, lines 15-17 with the following amended paragraph:

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Response dated April 30, 2004

Reply to Office action of February 25, 2004

It has been found to be especially economical in terms of the process to carry out the inventive process steps in the sequence which is listed in claim 12 provided herewith.